

FIELD ANALYTIC TECHNOLOGIES ENCYCLOPEDIA (FATE) — AN ONLINE RESOURCE (FATE.CLU-IN.ORG)

Technologies

Resource Links

Training Modules

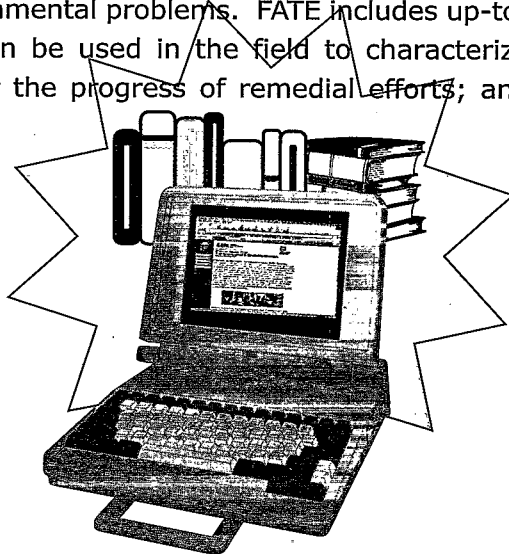
References

FATE Home

WHY FATE? The Field Analytic Technologies Encyclopedia (FATE) is an online encyclopedia, developed jointly by the U.S. Environmental Protection Agency (EPA) and the U.S. Army Corps of Engineers, that provides a wealth of information about the many tools that are now available to streamline the site investigation and cleanup process. Motivated by a need to accomplish cleanups in a more timely and cost-effective manner, the scientific and engineering communities have been working to develop technologies and approaches for improving the acquisition, use, and interpretation of data to provide smarter solutions to environmental problems. FATE includes up-to-date information about technologies that can be used in the field to characterize contaminated soil and groundwater; monitor the progress of remedial efforts; and support decisions about site cleanups.

An easy-to-use online resource for information on field-based analytical technologies. FATE has information on:

- Various classes of **TECHNOLOGIES**
- Relevant and useful **RESOURCE LINKS**
- Downloadable **TRAINING MODULES**



WHO WOULD USE FATE? FATE provides a central location for valuable information (links, documents, photographs, and diagrams) about various techniques used in the field to characterize contaminated sites. FATE has been developed for use by a wide audience ranging from highly technical users such as engineers, field technicians and site managers to the general public and non-technical users. Information about technologies is presented in a way that can be easily understood and used by a broad audience.

HOW DO I USE FATE? FATE can be accessed through the World Wide Web at fate.clu-in.org. This easy-to-use online resource includes information about various field-based analytical technologies, as well as useful links to additional resources about the topic. FATE is organized much like a typical encyclopedia, with technologies organized according to the following categories:

- **ANALYTICS** (such as gas chromatography, immunoassay, x-ray fluorescence)
- **GEOPHYSICS** (such as ground penetrating radar and magnetics for environmental applications)
- **SAMPLING** (such as passive diffusion samplers)
- **DELIVERY SYSTEMS** (such as direct-push platforms)



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ARE YOU LOOKING FOR INFORMATION ON...

- Colorimetric indicator tests
- Fiber optic chemical sensors
- Gas chromatography
- Graphite atomic absorption spectroscopy
- Immunoassay
- Infrared spectroscopy
- Laser-induced fluorescence
- Mass spectrometry
- X-ray fluorescence
- Ground penetrating radar
- Magnetics for environmental applications
- Passive diffusion samplers
- Direct push platforms

...IT'S IN THERE!

For each technology, the following types of information are included:

- Description
- Typical uses
- Theory of operation
- System components
- Mode of operation
- Performance specifications
- Advantages and limitations
- Cost data
- Additional resources
- Documented past use
- Verification/evaluation reports

FEEDBACK Your comments and suggestions are greatly appreciated and very important in ensuring that FATE continues to meet the needs of its users. Please use the online comment form or provide your comments directly to Ann Eleanor of EPA's Technology Innovation Office (TIO) at (703) 603-7199 or by e-mail to eleanor.ann@epa.gov.

The Field-Based Technologies Training Program
instructor manual is available for download and everything is
FREE OF CHARGE!